



Department for
Business, Energy
& Industrial Strategy

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Monitoring and Evaluating UK international Climate Finance



May 2019



UK International Climate Finance (ICF)

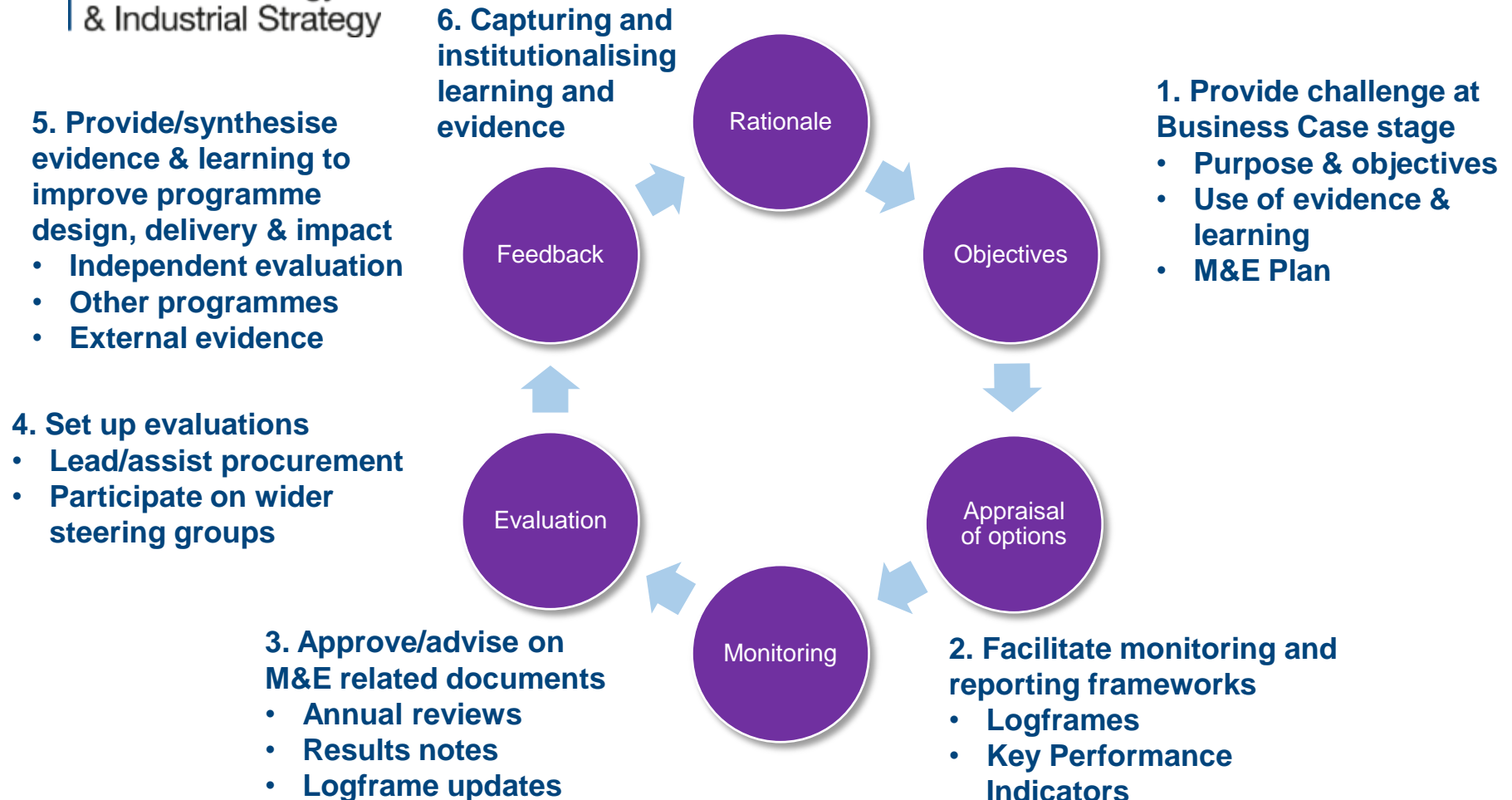
£5.8bn of ICF between 2016-20, aiming for an even split between mitigation and adaptation.

30 live programmes funded by BEIS, focussing upon mitigation through

- Accelerating decarbonisation
- Making markets work
- Forests and land use

6 Energy Efficiency investments but generally a growing focus







ICF Key Performance Indicators (KPIs)

ICF Key Performance Indicator	Unit of Measurement
1 Number of people supported to cope with the effects of climate change	Headcount
2 Number of people with improved access to clean energy	Headcount
3 Number of forest dependent people with livelihoods benefits protected or improved	Headcount
4 Number of people with improved resilience	Headcount
5 Number of direct jobs created	Headcount
6 Change in greenhouse gas emissions	tCO2e
7 Level of installed clean energy capacity	MW
8 Number of hectares where deforestation has been avoided	Hectares
9 Number of low carbon technologies supported	Units
10 Value of ecosystem services generated or protected	GBP
11 Volume of public finance mobilised for climate change purposes	GBP
12 Volume of private finance mobilised for climate change purposes	GBP
13 Level of integration of climate change in national planning	Scorecard
14 Level of institutional knowledge of climate change issues	Scorecard
15 Extent to which ICF intervention is likely to have a transformational impact	Scorecard
16 Net change in energy consumption	MWh



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Portfolio-level Results

2018 UK Climate Finance Results

This statistical release presents estimates, as of spring 2018, of results achieved and total results expected from UK International Climate Finance, which helps developing countries to adapt to and mitigate climate change. It provides an update to results published in July 2017, found at: <https://www.gov.uk/government/publications/2017-uk-climate-finance-results>.

Between 2011/12 and 2017/18, it is estimated that ICF programmes have:

- Supported **47 million people** to cope with the effects of climate change;
- Provided **17 million people** with improved access to clean energy;
- Reduced or avoided **10.4 million tonnes** of greenhouse gas (GHG) emissions (tCO₂e);
- Installed **590 MW** of clean energy capacity; and
- Mobilised **£3.3 billion public** and **£910 million private** finance for climate change purposes in developing countries.





Market Accelerator for Green Construction

- 7+ developing countries from pool of 23.
- Delivered by International Finance Corporation (IFC) through c.20 local financial intermediaries.
- £80m To mobilise public and private finance for construction of new green buildings.
- £25m Technical Support to develop policy, standards, lending products.
- £1m Independent Evaluation.



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Discover Software Certify Experts Retrofits



Song Hau Surface Water Plant – Phase One
Vietnam



Sede de EBAIS de La Ribera de Belén
Costa Rica



Sede de EBAIS de Escobal de Belén
Costa Rica



Golf Los Incas
Peru



Waterfall Park
South Africa



The Village (Clubview)
South Africa



EDGE certification approach

EDGE DEMO

ENGLISH

HOMEPAGE

EDGE

Excellence in Design
For Greater Efficiencies

AN INITIATIVE OF

IFC

International
Finance Corporation
WORLD BANK GROUP

Homes

Hotels

Retail

Offices

Hospitals

RESULTS

Final Energy Use137,493 kWh/Month

Operational CO₂ Savings0 tCO₂/Year

Base Case Utility Cost16,540 \$/Month

Incremental Cost0 \$

Final Water Use2,343 m³/Month

Embodied Energy Savings0 MJ/m²

Utility Costs Reduction0 \$/Month

Payback in YearsN/A Yrs.

Version 2.0.0

Design

Energy: 0.00%

Water: 0.00%

Water/Elec: 0.00%

Preliminary

File

Building Data

Built-up Area Excluding Car Parking10,000 m²

Floors Above Grade20 no.

Floors Below Grade1 no.

Floor-to-Floor Height3.5 m

Food Court / Kitchenette☒

Cellular Office☐

Default

User Entry

Open Plan Office

6,100

m²

Cellular Office

1,100

m²

Corridors

600

m²

Conference Rooms

500

m²

Lobby

300

m²

Bathrooms

500

m²

M&E Rooms, Store

500

m²

Food Court / Kitchenette

400

m²

Total Area

10,000

m²

Default

User Entry

Occupancy Density

12

m²/Person

Operational Hours

40

12

Hours/Day

Working Days

5

Days/Week

Holidays

12

Days/Year

Open Plan Office

Cellular Office

Corridors

Conference Rooms

Lobby

Bathrooms

M&E Rooms, Store

Food Court / Kitchenette

41%

11%

6%

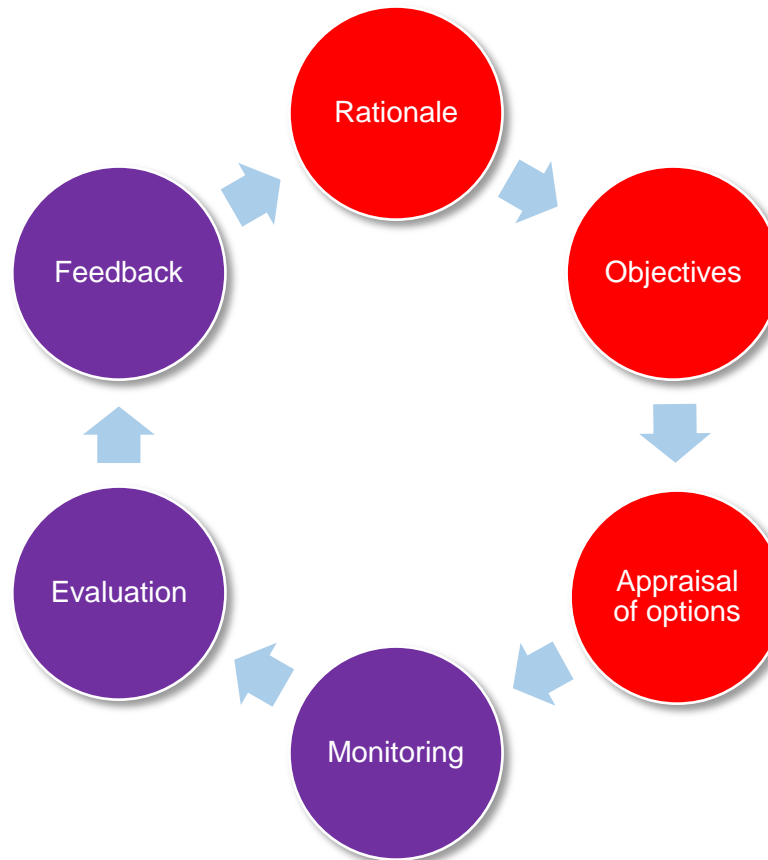
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3%

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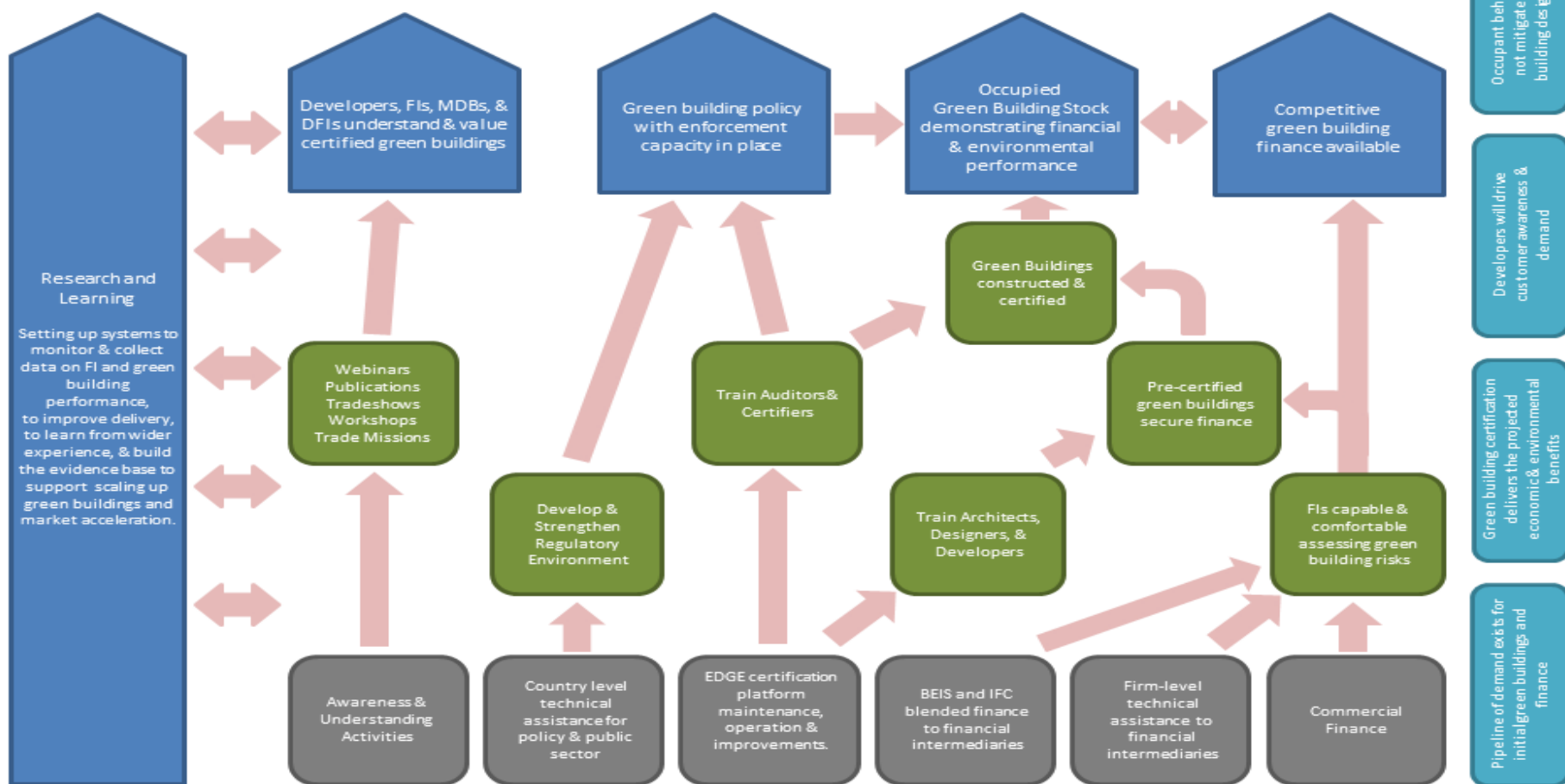
6%



- 1. Provide challenge at Business Case stage**
- Purpose & objectives
 - Use of evidence & learning
 - M&E Plan



Energy savings and reduced emissions achieved through the construction of new green buildings in selected countries





Assumptions Identified

- **Market transformation:** the new building ecosystem is complex and large, requiring careful assessment of the context at the country-level in terms existing barriers and drivers
- **Additionality:** Concessional finance may not be required, potentially distorting the market
- **Performance Gap:** The difference between projected and actual building performance could impact on emission reductions achieved and the reputation of the approach.



Performance Gap



Design



Procurement



Construction



Technology
Performance



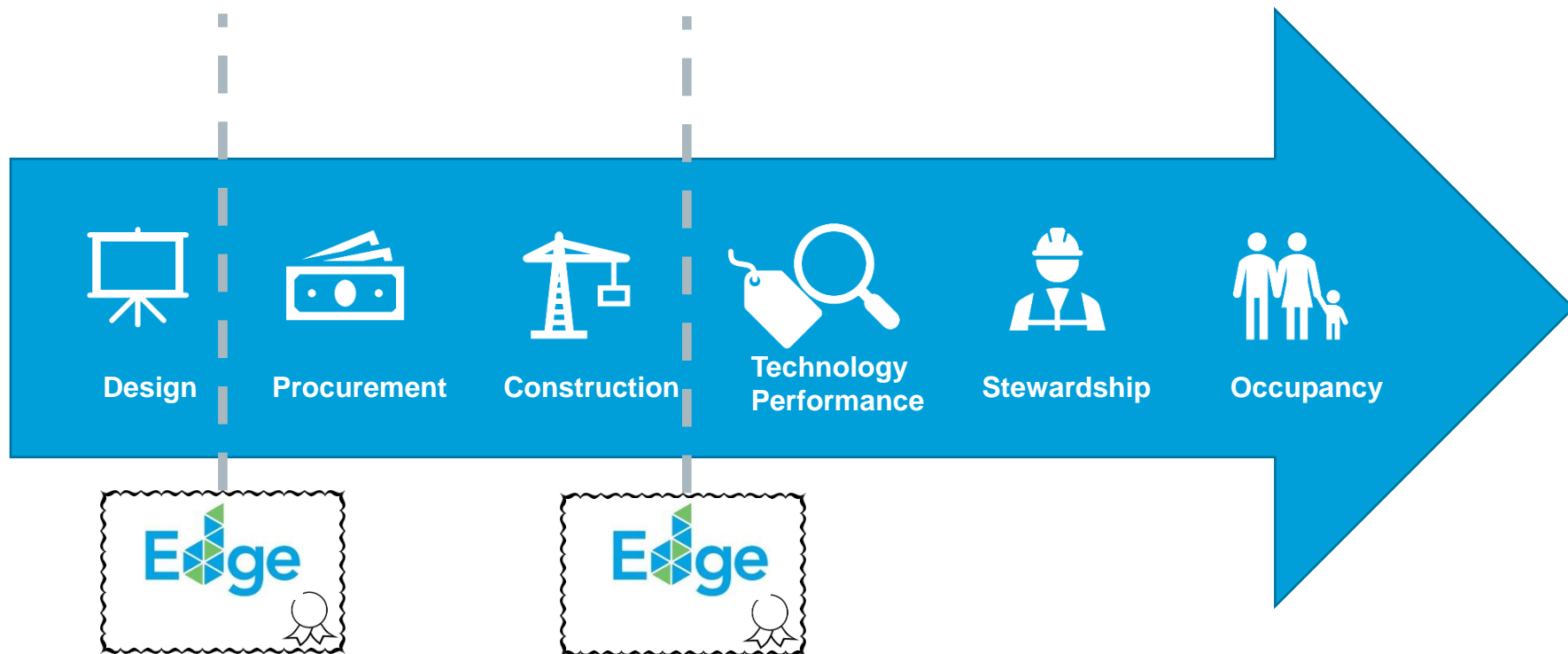
Stewardship

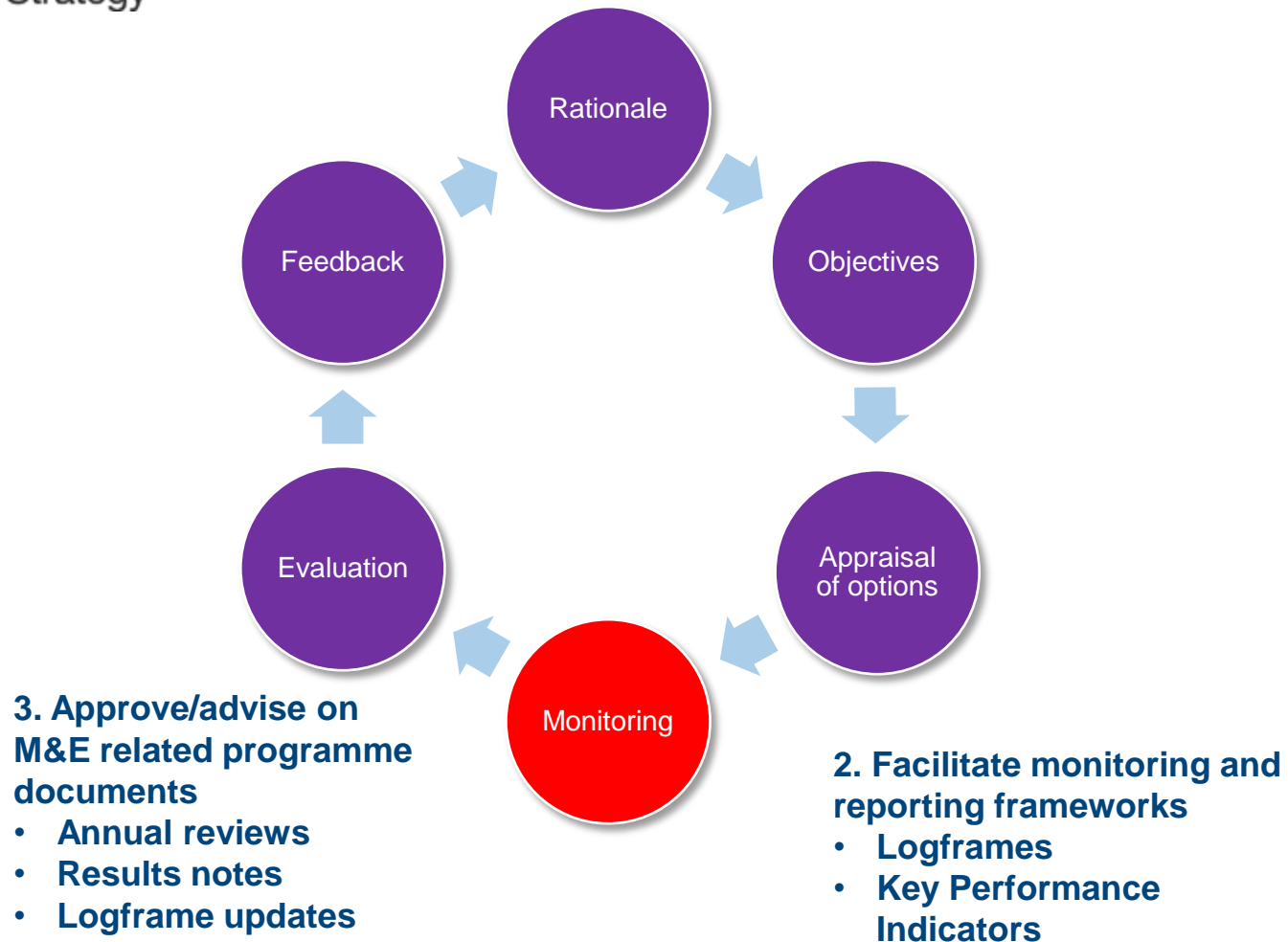


Occupancy



Performance Gap







Monitoring indicators

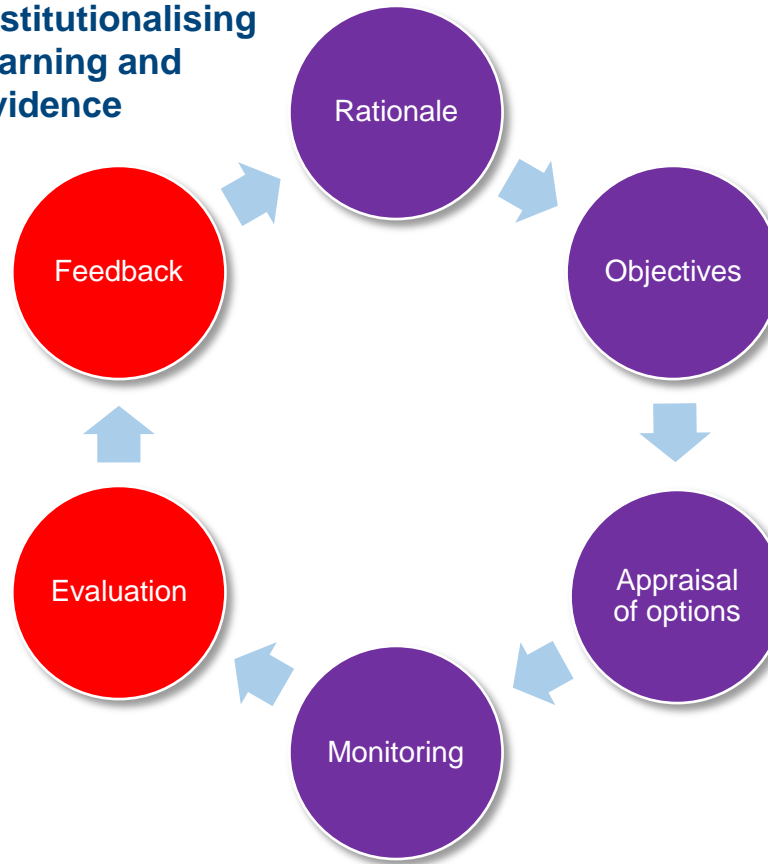
Indicator	Unit of Measurement	KPI
Volume of UK finance distributed to Financial Intermediaries, by financial instrument.	\$	
Total private sector financing provided to MAGC funded green building projects.	\$	
Cumulative residential & non-residential floor space financed by MAGC FIs that received post-design certification	m2	
Energy use expected to be avoided from post design certified buildings	MWh per year	16
GHG emissions expected to be avoided from post-design certified buildings	tons CO2 per year	6



6. Capturing & institutionalising learning and evidence

- 5. Provide/synthesise evidence & learning to improve programme design, delivery & impact**
- Independent evaluation
 - Other ICF programmes
 - External evidence

- 4. Set up evaluations**
- Lead/assist procurement
 - Participate on wider steering groups





Evaluation & Research

Objectives

- Assess Delivery
- Test Key Assumptions
- Prove the business case and drive wider uptake

Approach

Gathering evidence from MAGC green building portfolios and other sources to quantify the financial and emissions case for green construction in developing markets



Building Performance Study – testing assumptions





Building Performance Study

Certified Green Building



=

'Normal' Control Building



+



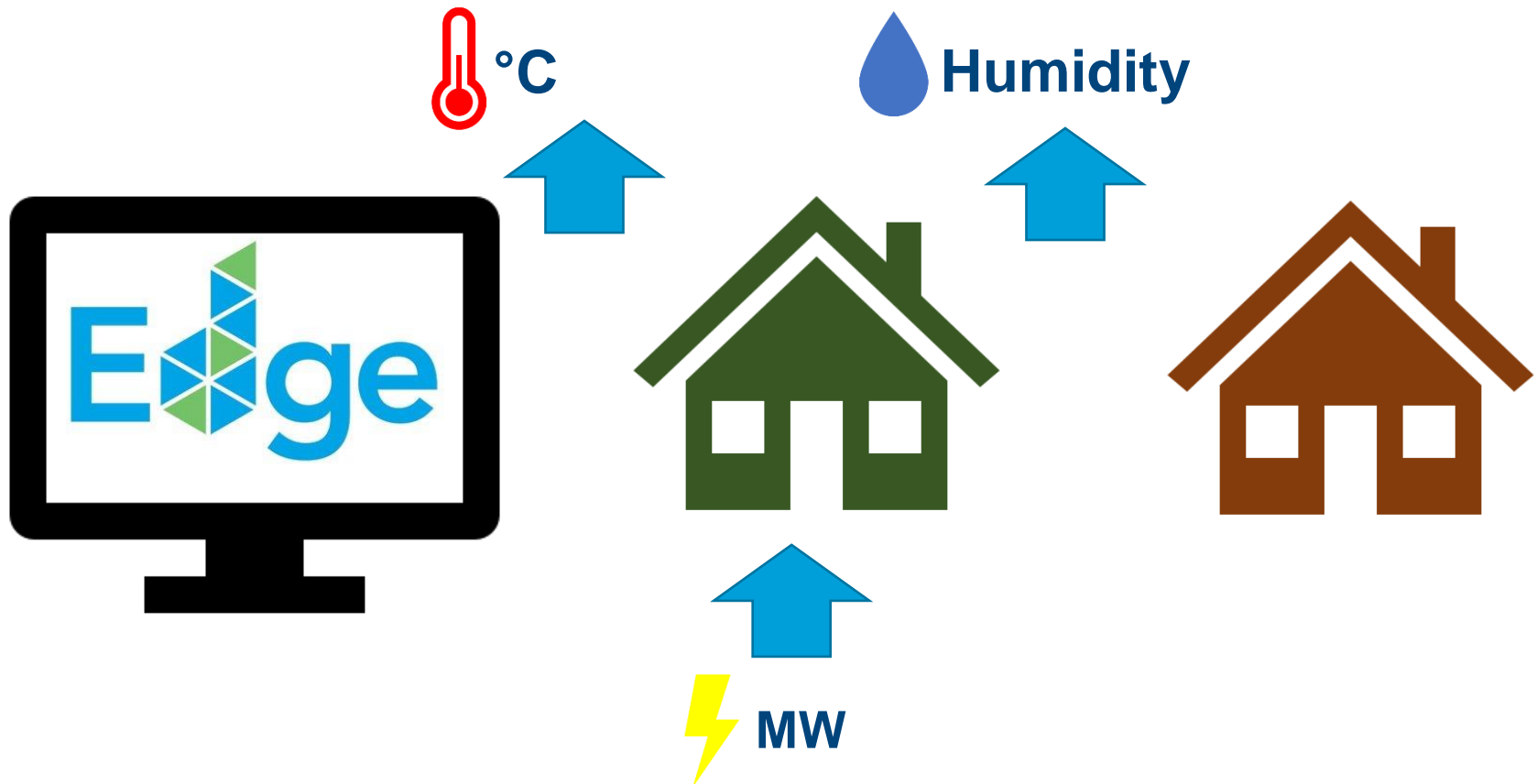


Building Performance Study





Building Performance Study



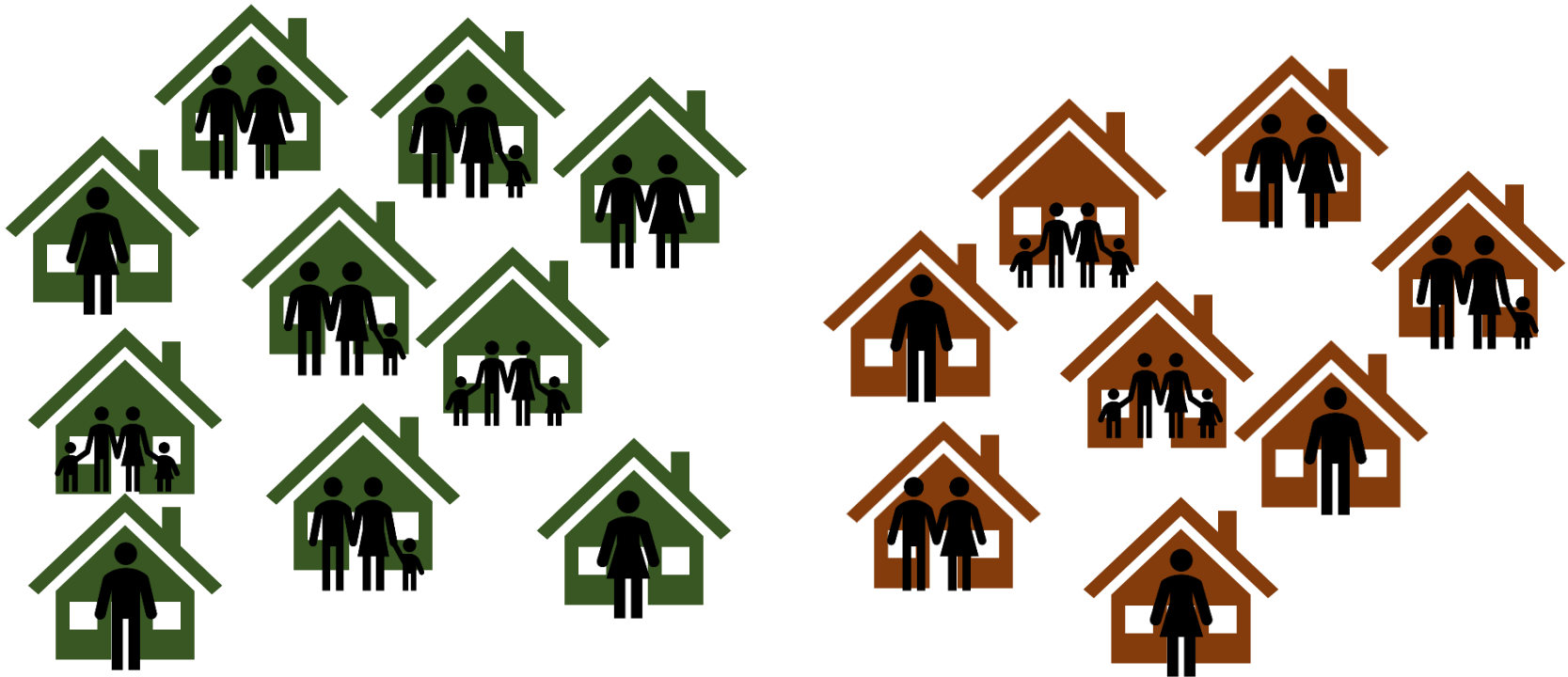


Building Performance Study - Challenges





Building Performance Study - Challenges





Building Performance Study - Challenges





Building Performance Study - Challenges





Key Messages

- Plan M&E early for best results
- Theory of change are a key tool to help identify what should be monitored and what should be evaluated
- Consider all potential uses when choosing indicators
- Use existing, or look to develop, consistent indicators across programmes
- Integrate M&E throughout a programme, particularly if you want to maximise learning



Thank you

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